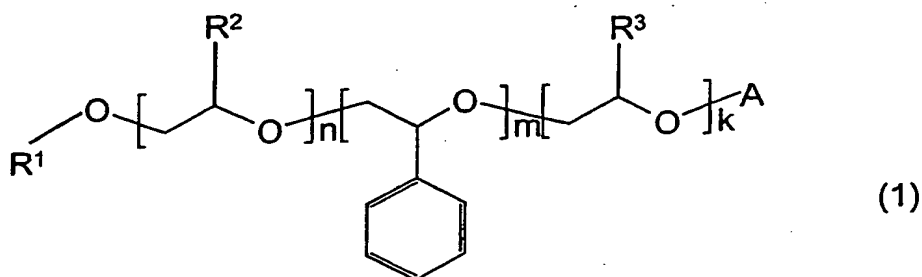


1. A copolymer of the formula (1)



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in which

$\text{R}^1$  is hydrogen, a  $\text{C}_1$ - $\text{C}_5$ -alkyl radical, or  $\text{C}_2$ - $\text{C}_5$ -alkenyl radical which may also contain hetero atoms, an acid group or an aliphatic or aromatic group having 1 to 50 carbon atoms, which carries an acid group,

10

$\text{R}^2$  and  $\text{R}^3$ , independently of one another, are hydrogen, methyl and/or ethyl,

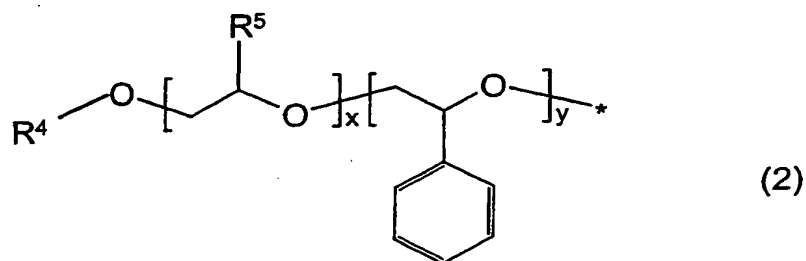
$n$  is a number from 0 to 100, and

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$m$  is a number from 3 to 30, and

$k$  is a number from 1 to 200, and

$A$  is a copolymer unit of the formula (2)



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in which

$\text{R}^4$  is hydrogen, a  $\text{C}_1$ - $\text{C}_5$ -alkyl radical or  $\text{C}_2$ - $\text{C}_5$ -alkenyl radical which may also contain hetero atoms, an acid group or an aliphatic or aromatic group having 1 to 50 carbon atoms, which carries an acid group,

25

$\text{R}^5$  is hydrogen, methyl and/or ethyl,

$x$  is a number from 0 to 100, and

y is a number from 3 to 30,  
where R<sup>1</sup> is hydrogen or an acid group.

- 5      2.      The copolymer as claimed in claim 1, wherein the alkoxy groups are arranged block by block.
3.      The copolymer as claimed in claim 1 and/or 2, wherein k is a number from 10 to 100.
- 10     4.      The copolymer as claimed in one or more of claims 1 to 3, wherein m is a number from 3 to 10.
5.      The copolymer as claimed in one or more of claims 1 to 4, wherein n is a number from 1 to 5.
- 15     6.      The copolymer as claimed in one or more of claims 1 to 5, wherein formula 1 represents an ester or partial ester.
7.      The copolymer as claimed in one or more of claims 1 to 6, wherein R<sup>1</sup> or R<sup>4</sup> is a C<sub>2</sub>- to C<sub>5</sub>-alkenyl group.
- 20     8.      The use of a copolymer as claimed in one or more of claims 1 to 7 as pigment emulsifier and bitumen emulsifier.
- 25     9.      The use of a copolymer as claimed in claim 7 as an emulsifier in emulsion polymerization.